

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("4404865").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/23 10:21
S2	1	("5288993").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/30 14:25
S3	2300	(345/163,166,167,175).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/23 10:22
S4	2173	S3 and (mouse track\$1ball tracker\$1ball control adj device input adj device control adj cursor pointing adj device housing chamber\$1 air\$1tight fluid\$1tight water\$1resistant optical adj detector optical near sensor)	US-PGPUB; USPAT	OR	ON	2007/04/23 10:26
S5	2	S3 and (water\$1resistant)	US-PGPUB; USPAT	OR	ON	2007/04/23 10:49
S6	1	("6433779").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/23 10:52
S7	1	("0897027").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/23 10:53
S8	1	("5952070").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/23 10:53
S9	1030	S4 and (distance "1.5"\$1mm millimeter\$1)	US-PGPUB; USPAT	OR	ON	2007/04/23 11:21
S10	968	S9 and (surface housing ball)	US-PGPUB; USPAT	OR	ON	2007/04/23 11:22
S11	381	S10 and @pd<"20020412"	US-PGPUB; USPAT	OR	ON	2007/04/23 11:24
S12	91	S11 and (millimeter mm)	US-PGPUB; USPAT	OR	ON	2007/04/23 11:39
S13	6	S12 and (ball\$1to\$1sensor ball\$1to\$1detector ball\$1to\$1lens)	US-PGPUB; USPAT	OR	ON	2007/04/23 11:53
S14	23	S11 and (cleaning near liquid fluid)	US-PGPUB; USPAT	OR	ON	2007/04/23 12:11
S15	0	S11 and (cleaning adj liquid)	US-PGPUB; USPAT	OR	ON	2007/04/23 12:11
S16	0	S11 and (cleaning adj fluid)	US-PGPUB; USPAT	OR	ON	2007/04/23 12:12
S17	306	S11 and (diametric line)	US-PGPUB; USPAT	OR	ON	2007/04/23 12:12
S18	0	S11 and (diametric adj line)	US-PGPUB; USPAT	OR	ON	2007/04/23 12:12
S19	1	S11 and (mounting adj plane)	US-PGPUB; USPAT	OR	ON	2007/04/23 13:46

## EAST Search History

S20	27214	mouse track\$1ball (first second) adj (housing chamber) optical near detector	EPO; JPO	OR	ON	2007/04/23 13:51
S21	3825	S20 and (optical near detector)	EPO; JPO	OR	ON	2007/04/23 13:51
S22	0	S21 and (diametric near line)	EPO; JPO	OR	ON	2007/04/23 15:44
S23	0	S21 and (height near reduc\$4)	EPO; JPO	OR	ON	2007/04/23 13:57
S24	66	S21 and chamber	EPO; JPO	OR	ON	2007/04/23 14:55
S25	0	S21 and (optical adj mouse)	EPO; JPO	OR	ON	2007/04/23 14:56
S26	0	S21 and (optical adj track\$1ball)	EPO; JPO	OR	ON	2007/04/23 14:56
S27	3825	S21 and (optical)	EPO; JPO	OR	ON	2007/04/23 15:45
S28	3825	S21 and (optical sensor)	EPO; JPO	OR	ON	2007/04/23 15:45
S29	81	S21 and (optical adj sensor)	EPO; JPO	OR	ON	2007/04/23 15:48
S30	2306	(345/163,166,167,175).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/24 08:03
S31	2179	S30 and (mouse track\$1ball tracker\$1ball control adj device input adj device control adj cursor pointing adj device housing chamber\$1 air\$1tight fluid\$1tight water\$1resistant optical adj detector optical near sensor)	US-PGPUB; USPAT	OR	ON	2007/04/24 08:03
S32	157	S31 and photo\$1detector	US-PGPUB; USPAT	OR	ON	2007/04/24 08:04
S33	80	S32 and @pd<"20020412"	US-PGPUB; USPAT	OR	ON	2007/04/24 08:05
S34	2306	(345/163,166,167,175).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/25 07:11
S35	2179	S34 and (mouse track\$1ball tracker\$1ball control adj device input adj device control adj cursor pointing adj device housing chamber\$1 air\$1tight fluid\$1tight water\$1resistant optical adj detector optical near sensor)	US-PGPUB; USPAT	OR	ON	2007/04/25 07:11
S36	157	S35 and photo\$1detector	US-PGPUB; USPAT	OR	ON	2007/04/25 07:11
S37	80	S36 and @pd<"20020412"	US-PGPUB; USPAT	OR	ON	2007/04/25 07:11
S38	28	S37 and (upper and lower and housing chamber)	US-PGPUB; USPAT	OR	ON	2007/04/25 07:15
S39	56	S37 and (first and second and chamber housing)	US-PGPUB; USPAT	OR	ON	2007/04/25 07:19
S42	24	S34 and (optical adj detector ) and (angle) and (degree)	US-PGPUB; USPAT	OR	ON	2007/04/25 07:21

## EAST Search History

S43	15	S42 and @pd<"20020412"	US-PGPUB; USPAT	OR	ON	2007/04/25 07:21
S44	1	("5565891").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/26 07:33
S45	1	("6016138").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/26 09:00
S46	2064	(345/163-167).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/26 10:23
S47	0	("3and(fluidliquid)").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/26 09:02
S48	0	("3and(fluidliquid)").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/26 09:02
S49	264	S46 and (fluid liquid)	US-PGPUB; USPAT	OR	ON	2007/04/26 09:02
S50	16	S49 and cleaning	US-PGPUB; USPAT	OR	ON	2007/04/26 09:04
S51	6	S50 and @pd<"20020412"	US-PGPUB; USPAT	OR	ON	2007/04/26 09:04
S52	0	("3andinlet").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/26 10:24
S53	20	S46 and inlet	US-PGPUB; USPAT	OR	ON	2007/04/26 10:24
S54	3	S53 and @pd<"20020412"	US-PGPUB; USPAT	OR	ON	2007/04/26 11:09
S55	106	S49 and track\$1ball	US-PGPUB; USPAT	OR	ON	2007/04/26 11:10
S56	46	S55 and @pd<"20020412"	US-PGPUB; USPAT	OR	ON	2007/04/26 11:10
S57	412	(345/167).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/30 14:25
S58	3	S57 and (translucent near plastic)	US-PGPUB; USPAT	OR	ON	2007/04/30 14:32
S59	12	S57 and translucent	US-PGPUB; USPAT	OR	ON	2007/05/01 08:05
S60	412	(345/167).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/02 08:33
S61	66	S60 and (transparent clear) and (interior inside)	US-PGPUB; USPAT	OR	ON	2007/05/01 08:07
S62	35	S61 and @pd<"20020412"	US-PGPUB; USPAT	OR	ON	2007/05/01 09:11
S64	27	S60 and cleaning	US-PGPUB; USPAT	OR	ON	2007/05/01 09:12
S65	17	S64 and @pd<"20020412"	US-PGPUB; USPAT	OR	ON	2007/05/01 09:12

## EAST Search History

S66	109	S60 and (translucent clear transparent)	US-PGPUB; USPAT	OR	ON	2007/05/01 10:58
S67	54	S66 and @pd<"20020412"	US-PGPUB; USPAT	OR	ON	2007/05/01 11:06
S68	170	trackball	EPO; JPO	OR	ON	2007/05/01 11:11
S69	82	S68 and @pd<"20020412"	EPO; JPO	OR	ON	2007/05/01 11:13
S70	1	S69 and (translucent transparent)	EPO; JPO	OR	ON	2007/05/01 11:08
S71	1	S69 and plastic	EPO; JPO	OR	ON	2007/05/01 11:09
S72	3	S69 and optic\$2	EPO; JPO	OR	ON	2007/05/01 11:10
S73	3	S69 and material	EPO; JPO	OR	ON	2007/05/01 11:15
S74	0	("s60andprocessor").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/02 08:34
S75	412	(345/167).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/02 08:34
S76	126	S75 and processor	US-PGPUB; USPAT	OR	ON	2007/05/02 08:34
S77	59	S76 and @pd<"20020412"	US-PGPUB; USPAT	OR	ON	2007/05/02 08:39
S78	9	S77 and compensat\$3	US-PGPUB; USPAT	OR	ON	2007/05/02 08:59
S79	210	S75 and @pd<"20020412"	US-PGPUB; USPAT	OR	ON	2007/05/02 08:59
S88	4	S79 and (sensor\$1 near orthogonal\$2)	US-PGPUB; USPAT	AND	ON	2007/05/02 09:10
S89	40	S79 and (sensors orthogonal)	US-PGPUB; USPAT	AND	ON	2007/05/02 09:10
S90	1	("6218659").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/03 09:37
S91	1	("5751275").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/03 09:38